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ART 34(1) EPC

Claims

- 5 1. A dry cleaning process for in-home dry cleaning comprising a low-aqueous dry cleaning step of contacting a laundry article with a low-aqueous dry cleaning composition, wherein said composition comprises a non-flammable, non-chlorine containing organic dry cleaning solvent, water and surfactant, whereby the
- 10 water to cloth ratio (w/w) is less than 0.45 and the water to surfactant ratio (w/w) is at most 1.5, wherein said organic dry cleaning solvent is selected from hydrofluorocarbon, hydrofluoroether and siloxane solvent.
- 15 2. A dry cleaning process for in-home dry cleaning according to claim 1 wherein the water to cloth ratio (w/w) is less than 0.25.
- 20 3. A dry cleaning process for in-home dry cleaning according to any one of the preceding claims whereby said liquid to cloth ratio (w/w) is at most 10.
- 25 4. A dry cleaning process for in-home dry cleaning according to any one of the preceding claims wherein the process further comprises a non-aqueous dry cleaning step wherein the laundry article is contacted with a non-aqueous dry cleaning composition, said non-aqueous dry cleaning composition comprising
- 30 0.001 to 10 wt.% of a surfactant;
0 to 0.01 wt.% of water;
0 to 50 wt.% of a cosolvent and
a non-flammable, non-chlorine containing organic dry cleaning solvent.

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5. A dry cleaning process for in-home dry cleaning according to claim 4 wherein the non-aqueous dry cleaning step precedes the low-aqueous dry cleaning step.

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6. A dry cleaning process for in-home dry cleaning according to claim 1 wherein the surfactant comprises at least one polar hydrophilic group selected from $-\text{SO}_4\text{M}$, $-\text{SO}_3\text{M}$, $-\text{PO}_4\text{M}_2$, $-\text{PO}_3\text{M}_2$, $-\text{CO}_2\text{M}$ and mixtures thereof wherein each M can be independently selected from the group including H, NR_4 , Na, K and Li, wherein each R is independently selected from H and C_{1-4} alkyl radical.

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7. A dry cleaning process for in-home dry according to any one of the preceding claims wherein the organic dry cleaning solvent is selected from the group consisting of the isomers of nonafluoromethoxybutane, nonafluoroethoxybutane and decafluoropentane, octamethyl cyclotetrasiloxane, decamethyl cyclopentasiloxane, decamethyl tetrasiloxane, dodecamethyl pentasiloxane and mixtures thereof.

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8. A dry cleaning process for in-home dry cleaning according to any one of the preceding claims whereby the laundry article is stained with domestic stain material selected from kitchen grease, particulate soil and mixtures thereof.

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9. A dry cleaning process for in-home dry cleaning according any preceding claim wherein the water to cloth ratio (w/w) is less than 0.45 in each step of the dry cleaning process wherein the LCR is more than 1.

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